

REMARKS

Claims 1-33, 37, 41, 52 and 56-60 are pending in the present application.

Claims 1 and 33 are currently amended to recite a multilayer polymeric film and to recite the specific formation methods. Support for the amendments are provided on page 31 lines 1-4 of the specification and in the examples.

Claims 34-36, 38-40, 42-51 and 53-55 are cancelled.

Claims 56-60 are newly entered claims.

No new matter is raised by the amendment.

Reconsideration on the merits is respectfully requested.

The claims are believed to be allowable for the reasons set forth herein. Notice thereof is respectfully requested.

Claim Objections

Claims 1 and 33 are objected to due to informalities. Claims 1 and 33 have been amended thereby rendering the objection moot.

Rejections under 35 U.S.C. 103

Claims 1, 5, 9, 13, 17, 21 and 45-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. (USP 4,741,993) in view of Benz et al. (USP 4,830,873).

Claims 45-47 are cancelled thereby rendering the rejections directed thereto moot.

Claim 1 has been amended to specifically recite that the second transparent film is a multilayer polymeric film.

Kano et al. as modified by Benz et al. is silent with regards to the advantages provided by the second transparent film layer being a multilayer polymeric film. As set forth on page 31, lines 1-4, applying the second transparent layer in a multilayer application avoids cracks and irregularities due to shrinkage during curing.

The Office has combined Kano et al., which fails to teach the specific resin, with Benz et al. wherein a similar resin is described based on the assumption that one of skill in the art would be motivated to make such a combination. Applicants continue to disagree with the position of the Office. Assuming, arguendo, that such a combination were attempted as suggested, there is no teaching in the art of record that the device would be inferior due to cracking and irregularity in the coating which is surprisingly imparted during curing. Even further, one

of skill in the art would have no basis for considering the use of multiple layers to avoid this unforeseen problem.

Applicants respectfully submit that the claimed invention solves a problem which one of skill in the art would have no knowledge of from the cited art. It is only from the present application that the solved problem is even realized.

The rejection of claims 1, 5, 9, 13, 17, 21 and 45-47 under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al. has been rendered moot by amendment.

Claims 2, 6, 10, 14, 18 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. (USP 4,741,993) in view of Benz et al. (USP 4,830,873) as applied to claim 1 above, and further in view of Arakawa et al. (USP 4,863,826).

Claims 2, 6, 10, 14, 18 and 22 ultimately depend from claim 1. Kano et al. and Benz et al. fail to obviate claim 1, as amended, for the reasons set forth above. The Office admits that Kano et al. lacks an explicit description that the subbing layer comprises a transparent organic film. Arakawa et al. is cited as disclosing the subbing layer which is otherwise lacking.

Arakawa et al. fails to mitigate the deficiencies of the primary references with which it is combined. In summary,

Arakawa et al. fails to suggest that the use of multiple layers in the second transparent layer would be advantageous for resolving unpredicted deficiencies.

The rejection of claims 2, 6, 10, 14, 18 and 22 under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al. as applied to claim 1 above, and further in view of Arakawa et al. is rendered moot by amendment of claim 1.

Claims 3, 7, 11, 15, 19, 23, 33, 35, 37, 39, 41, 43, 48, 50, 52 and 54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. (USP 4,741,993) in view of Benz et al. (USP 4,830,873) as applied to claim 1 above, and further in view of Homme (US 2003/0160185).

Claims 35, 39, 42, 48, 50 and 54 are cancelled and all rejections directed thereto are moot.

Claims 3, 7, 11, 15, 19, 23 and 33 ultimately depend from claim 1 which has been amended to specifically recite that the second polymeric layer is a multilayer as discussed above. The Office notes that Kano et al. fails to recite a specific polymeric film comprising polyparaxylylene and relies on Homme for those teachings which are otherwise lacking.

Homme fails to mitigate the deficiencies of the primary references. Specifically, Homme neither teaches a multilayer

second transparent layer nor suggest the problems which arise in trying to form the layer and therefore fails to suggest that one of skill in the art would have any basis for considering the use of multiple layers.

The rejection of claims 3, 7, 11, 15, 19, 23, 33, 35, 37, 39, 41, 43, 48, 50, 52 and 54 under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al. as applied to claim 1 above, and further in view of Homme is rendered moot by amendment of claim 1.

Claims 4, 8, 12, 16, 20, 24, 36, 40, 44, 51 and 55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. (USP 4,741,993) in view of Benz et al. (USP 4,830,873) and Arakawa et al. (USP 4,863,826) as applied to claim 2 above, and further in view of Homme (US 2003/0160185).

Claims 36, 40, 44, 41 and 55 are cancelled thereby rendering the rejection directed thereto moot.

Claims 4, 8, 12, 16, 20 and 24 ultimately depend from claim 1 which has been amended to specifically recite that the second polymeric layer is a multilayer as discussed above. The rejection is applied as in the claims from which each of these depend. The rejection of the base claim has been traversed as

described above thereby rendering these claims patentable for, at least, the same reasons.

The rejection of claims 4, 8, 12, 16, 20, 24, 36, 40, 44, 51 and 55 under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al. and Arakawa et al. as applied to claim 2 above, and further in view of Homme is rendered moot by amendment.

Claims 25 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. (USP 4,741,993) in view of Benz et al. (USP 4,830,873) as applied to claims 17 and 21 above and further in view of Karellas (USP 5,864,146).

The rejection of claim 17 and 21 is discussed above. The Office notes that Kano et al. and Benz et al. fail to recite a CCD. Karellas is cited as disclosing those teachings which are otherwise lacking.

Karallas is silent with regards to the layer structure of the phosphor screen and therefore provides no teaching which would mitigate the deficiencies of the primary references.

The rejection of claims 25 and 29 under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al. as applied to claims 17 and 21 above and further in view of Karellas is rendered moot by amendment of claim 1.

Claims 26 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al. and Arakawa et al. as applied to claims 18 and 22 above, and further in view of Karellas et al.

The rejection of claims 18 and 22 is discussed above. Karallas is silent with regards to the layer structure of the phosphor screen and therefore provides no teaching which would mitigate the deficiencies of the primary references.

The rejection of claims 26 and 30 under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al. and Arakawa et al. as applied to claims 18 and 22 above and further in view of Karellas is rendered moot by amendment of claim 1.

Claims 27 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. (USP 4,741,993) in view of Benz et al. (USP 4,830,873) and Homme (US 2003/0160185) as applied to claims 19 and 23 above, and further in view of Karellas et al. (USP 5,864,146).

The rejection of claims 19 and 23 is discussed above. Karallas is silent with regards to the layer structure of the

phosphor screen and therefore provides no teaching which would mitigate the deficiencies of the primary references.

The rejection of claims 27 and 31 under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al. and Homme as applied to claims 19 and 23 above and further in view of Karellas is rendered moot by amendment of claim 1.

Claims 28 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. (USP 4,741,993) in view of Benz et al. (USP 4,830,873), Arakawa et al. (US 4,863,826) and Homme (US 2003/0160185) as applied to claims 20 and 24 above, and further in view of Karellas et al. (USP 5,864,146).

The rejection of claims 20 and 24 is discussed above. Karellas is silent with regards to the layer structure of the phosphor screen and therefore provides no teaching which would mitigate the deficiencies of the primary references.

The rejection of claims 28 and 32 under 35 U.S.C. 103(a) as being unpatentable over Kano et al. in view of Benz et al., Arakawa et al. and Homme as applied to claims 20 and 24 above and further in view of Karellas is rendered moot by amendment of claim 1.

Claims 34, 38, 42, 49 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kano et al. (USP 4,741,993) in view of Benz et al. (USP 4,830,873) and Arakawa et al. (US 4,863,826) as applied to claim 2 above, and further in view of Homme (US 2003/0160185).

The rejection of claims 34, 38, 42, 49 and 53 cancelled thereby rendering the rejection directed thereto moot.

New Claims

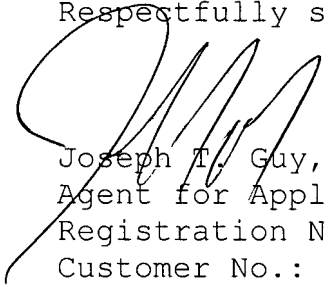
Claims 56-60 are newly entered claims. Support for the claims is provided in the previous claims. No new matter is entered as a result of the new claims.

CONCLUSIONS

Claims 1-33, 37, 41, 52 and 56-60 are pending in the present application. All claims are believed to be in condition for allowance. Notice thereof is respectfully requested.

Respectfully submitted,

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